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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			<i>Complete if Known</i>		
			Application Number	09/416,098	
			Filing Date	10-12-1999	
			First Named Inventor	Teresa H. Meng	
			Art Unit	2611	
			Examiner Name	Eva Y. Puente	
Sheet	1	of	3	Attorney Docket No: 111936 (ATH-0005)	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	001	US5561701	10-01-1996	ICHIKAWA; Yoshio	
	002	US5920557	07-06-1999	HIRATA; Masaru	
	003	US6275518	08-14-2001	TAKAHASHI; Yasuhiro et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³⁻ Number ⁴ -Kind Code ⁵ (if known)				

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
	004	Honig et al., "Blind Adaptive Multiuser Detection" (IEEE Trans. on Information Theory, pp. 944-960, Vol. 41, No. 4, July 1995).	<input type="checkbox"/>
	005	Le Floch et al., "Coded Orthogonal Frequency Division Multiplex" (IEEE Proceedings, pp. 982-996, vol. 83, No. 6, Jun. 1995).	<input type="checkbox"/>
	006	Meyr et al., Digital Communication Receivers, Chapter 10: "DSP System Implementation" (John Wiley and Sons, 1998, New York).	<input type="checkbox"/>
	007	Meyr et al., Digital Communication Receivers, Chapter 5: "Synthesis of Synchronization Algorithms" (John Wiley and Sons, 1998, New York).	<input type="checkbox"/>
	008	Mueller et al., "Timing recovery in digital synchronous data receivers" (IEEE Trans. Communications, Vol. COM-24, pp. 516-531, May 1976).	<input type="checkbox"/>
	009	Sklar, Digital Communications: Fundamentals and Applications, Chapter 8: "Synchronization in the Context of Digital Communications" (Prentice Hall, 1988, New Jersey).	<input type="checkbox"/>

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DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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	010	Verdu, Multiuser Detection, Chapter 6: "Nondecorrelating Linear Multiuser Detection" (Cambridge University Press, 1998).	<input type="checkbox"/>
	011	Verdu, Multiuser Detection, Chapter 7: "Decision-Driven Multiuser Detectors" (Cambridge University Press, 1998).	<input type="checkbox"/>

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Sheet	3	of	3	Attorney Docket No: 111936 (ATH-0005)													

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

- ☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

- ☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).


- ☐ See attached certification statement.

- ☒ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

- ☐ None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature		Date (YYYY-MM-DD)	2012-07-18
Name/Print	Jeanette S. Harms	Registration Number	35,537

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